ABSTRACT

A time-resolved measurement apparatus (100) acquires a detection timing pulse from an output terminal (34) attached to a micro channel plate (30) in a photomultiplier tube (14). A position-time measuring circuit (16) generates a signal indicating the time difference between a reference time pulse synchronized with excitation of a sample (10) and the detection timing pulse, and feeds the signal to a data processor (18). The data processor stores this time difference as a detection time of light emission. The data processor corrects the detection time according to the distance between the position at which the detection timing pulse is generated on the micro channel plate and the output terminal. This enhances the precision of time-resolved measurement.